

mini the static

official newsletter of the Sierra Nevada Amateur Radio Society

SNARS Coronavirus Bored as Hell Antidote!

Volume I number 20, May 21, 2020

PRODUCT REVIEW : HOBBYPCB - SMALL COMPANY WITH BIG IDEAS AND PRODUCTS!

The team at HobbyPCB creates some great products in kit and finished mode. From QRP SDR Radios, Amplifiers, Tools/Arduino, UHF/VHF RADIOS and Accessories. They back up what they make and sell! Please take a look: <https://www.hobbypcb.com/index.php/home>
They are the home of the world famous "HARDROCK 50" Power Amplifier



IQ32 5W SDR HF Transceiver

RADIO HISTORY JERRY SEVICK W2FMI - Jerry Seveck was known as the world's leading authority on the subject of the transmission of radio communication and is renowned for his research and publications related to short vertical antennas and transmission line transformers. I had the pleasure talking with Jerry back in the early 90's when I had the old Rocketdyne test site. I bought some of his Baluns and Ununs for my wire antennas (still have them). Just about every company that makes Baluns and Ununs use Jerry's designs. He wrote several books on the subject and you can find them at ARRL or Amazon. If you are serious about your feed lines and antennas, please read.

<https://www.youtube.com/watch?v=GMeOMwf2DJU>



Please look at Dave Casler's video on Baluns. Learn which Balun or Unun to use with your application. You will see many companies using Jerry's company name (design) Comtek.

<http://www.arrl.org/news/jerry-sevick-w2fmi-sk>
<https://www.paperbackswap.com/Jerry-Sevick/author/>

HOW TO UNDERSTAND AMATEUR RADIO AND RF POWER TERMS

- In radio transmission, transmitter **power output** (TPO) is the actual amount of **power** (in watts) of **radio frequency** (RF) **energy** that a transmitter produces at its **output**. The radio antenna's design "focuses" the signal toward the horizon, creating gain and increasing the ERP. (Effective Radiated Power). One of the biggest questions and problems new hams have is learning about RF power modes and understanding amateur radio terms. Every station should have a copy of:

<https://www.icomamerica.com/en/amateur/amateurtools/HamRadioTerms-2011.pdf>



Check out the video on using the MFJ-828 SWR/wattmeter!

<https://www.youtube.com/watch?v=UPkyfBKsBXs&feature=youtu.be>

This next video will save me a lot of verbiage.

<https://www.youtube.com/watch?v=i29pl7okLe4>

This video will explain the difference between real and apparent power coming out of your transceiver on SSB or AM vs steady carrier. The video shows the different modes both on a RF Watt meter and on a Oscilloscope. Great learning tool. RF Power meter below that shows in both digital and analog displays.

As always we hope you enjoy these newsletters and if you have any questions, please contact Howie or me!

Stay tuned!

Don W7SSB

Send any feedback to Don and me!

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